

ALARMING PM



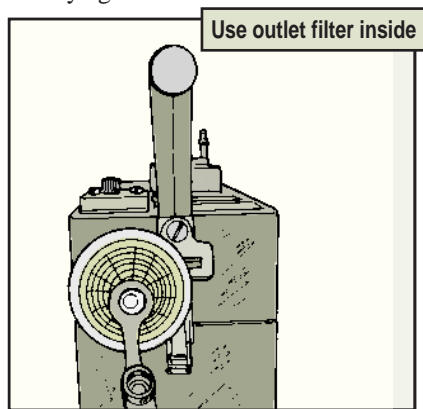
If you want your M8A1 chemical alarm to behave in an alarming manner, you need to keep it alert with PM.

PMCS

The best thing you can do for your alarm's M43A1 detector is simply to run it. If it sits for weeks, it could take hours to purge the detector cell when you're ready to detect. So, run it at least 1 hour every month.

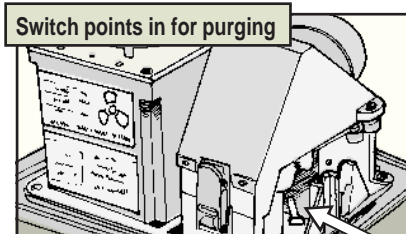


Because the M43A1 has a radioactive source, put on the air outlet filter to trap radioactive particles before you turn it on indoors. Be careful putting on the filter. If you force it on, it breaks the outlet port. That's a depot-level fix. If the filter doesn't turn clockwise easily, you've put it on wrong. Take it off and try again.



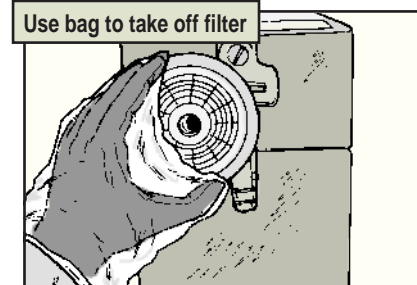
Better yet, order a snap-on adapter, NSN 4730-01-350-1584, that makes it easier to put on the filter.

Remember, to purge the M43A1 the toggle switch must be pointing in. Otherwise, the detector will shut down before it's through purging. Flip the switch back out when you're finished.

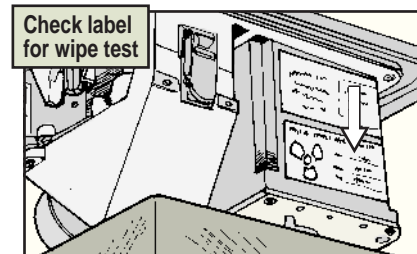


Once you've purged the M43A1, you can't pitch the outlet filter because it now contains radioactive particles. Don't touch it with your bare hand, either. Put its plastic shipping bag over it to unscrew it and then seal the filter

in the bag. If you're not using it again, the filter must be disposed of through the radiation protection office.

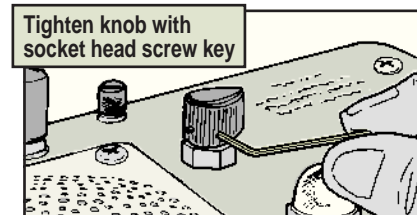


Because of its radiation source, the M43A1 detector must be wipe tested yearly for leaks. So check the label on the detector cell for the next due date.



If the test is past due, the M43A1 is NMC.

Feel the M42A1 remote alarm's horn knob for looseness before you go to the field. The knob often works loose and disappears. Your commo people

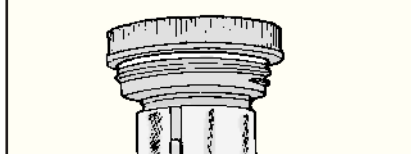


can tighten the knob with a socket head screw key from the TK-101/G tool kit.

Troubleshooting

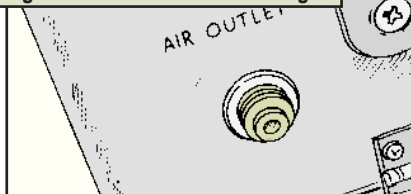
If the M43A1 flunks the flowmeter test, the rainshield adapter could be the problem. Is the adapter tightly screwed in? Is its O-ring missing or cracked? A loose adapter or one with a bad O-ring causes leaks.

O-ring in place and in good shape?



If the adapter's OK, feel the outlet nut for looseness. Use only your fingers to turn a loose nut clockwise until it's hand tight.

Tighten loose outlet nut hand tight



If that doesn't cure the problem, the air outlet cap is probably leaking. Tell your NBC NCO.

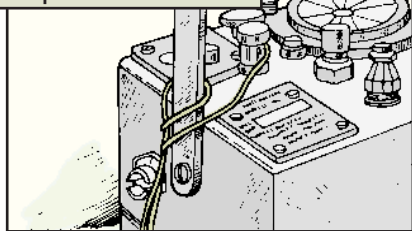
If the M43A1 is not responding to the built-in tests (BIT), check the toggle

switch. It should be pointing out. Flip it out if necessary.

In the Field

When you remote the detector to the alarm, tie off 9 inches of wire at the loop on the side of the detector. No loop? Wrap the wire around the handle several times. That keeps the wire from being jerked loose if someone trips over it.

Loop wires around handle



Fence off detectors with stakes or chem lights to warn drivers not to run over them.

Finally, be sure to warn people before you test the alarm. Otherwise, you could come back to your unit to find everyone dressed in chemical gear... and glaring at you.

